

Title (en)  
SENSOR-EQUIPPED BEARING FOR WHEEL

Title (de)  
MIT EINEM SENSOR AUSGESTATTETES LAGER FÜR EIN RAD

Title (fr)  
PALIER ÉQUIPÉ D'UN CAPTEUR POUR UNE ROUE

Publication  
**EP 2219017 A1 20100818 (EN)**

Application  
**EP 08855199 A 20081120**

Priority  
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Abstract (en)  
A sensor-equipped wheel support bearing assembly capable of accurately detecting load acting on the vehicle wheel by reducing concentration of strain on a cutout portion corner area of a strain generating member in a sensor unit is provided. The wheel support bearing assembly having rolling elements interposed between rolling surfaces in outer and inner members, includes at least one sensor unit provided in a stationary member, which is one of the outer and inner members. The sensor unit includes a strain generating member, having two or more contact fixing segments secured to the stationary member in contact therewith, and a sensor fitted to the strain generating member for detecting a strain in the strain generating member. The strain generating member has a cutout portion between the contact fixing segments, and corner area of such cutout portion is of an arcuately sectioned shape.

IPC 8 full level  
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